

XLVIII.—*Descriptions of Fourteen new Species of Marine Mollusca from Japan.* By G. B. SOWERBY, F.L.S.

Murex gallinago, sp. n.

Testa subclavæformis, antice rostrata, postice conica, albida, transversim fulvo trifasciata; spira elata, acute conica; anfractus 7, convexi, spiraliter subacute lirati, longitudinaliter crassiplicati, trivariicosi, varicibus crassis elevatis rotundatis, hic illic brevissime spinosis; anfractus ultimus mediocriter convexus, varicibus inferne imbricato squamosis; rostrum elongatum, angustum, rectiusculum vel leviter recurvum; apertura rotunde ovalis, intus noduloso plicata; labrum acutum, crenulatum, columella tenuiter callosa.

Long. 49, maj. diam. 22 millim.

Hab. Hahajima Ogasawara.

An elegantly formed and delicately coloured shell, somewhat resembling, on a small scale, *M. malabaricus*, Smith, but with the longitudinal ribs or plications much stouter and less numerous. It bears also some resemblance to *M. rectirostris*, Sow., but the varices are not spinose, or at least scarcely perceptibly so. In the squamose rather than spinose character of the base of the varices the shell appears to have some affinity with those of the "*motacilla*" group.

Pentadactylus japonicus, sp. n.

Testa subangulatum ovata, utrinque acuminata, albida, violaceo tincta, rufo interruptim fasciata; spira acute conica; anfractus 6, angulati, spiraliter imbricatim lirati, ad angulum acute nodulosi, longitudinaliter costati, costis parum elevatis; anfractus ultimus dense squamoso liratus, obtuse biangulatus, infra attenuatus; apertura oblonga, intus pallide violacea, nodulis rotundatis 4-5 armata; labrum crenulatum, extus imbricatum, breviter spinosum; columella lævis, in medio leviter angulata, supra arcuata, infra oblique rectiuscula.

Long. 13, maj. diam. 9 millim.

Hab. Tanabe Kii.

The shells of this species vary considerably in form, some being less angular, narrower, and less prominently imbricated, while the prevailing colour is paler than in the type. Its nearest ally is probably *P. asper*, Lamk., to which, however, it bears no very close resemblance.

Pentadactylus paucimaculatus, sp. n.

Testa acuminato-ovata, alba, fusco maculata, et seriatim punctata; spira acuminata, acuta, gradata; anfractus $7\frac{1}{2}$, primi 3 læves,

rotundati, sequentes angulati, spiraliter obscurissime lirati, longitudinaliter costati, costis rotundatis, parum elevatis, ad angulum nodulosi, penultimus biangulatus; anfractus ultimus convexus, obtusissime angulatus, costis fere obsoletis, liris spiralibus 5 nodulosi instructus, basim versus contractus; apertura oblongo-ovata, intus pallide fusco tineta, plicato lirata; labrum acutum, columella rectiuscula, lævis, tenuiter callosa; canalis brevis, lævissime recurvus.

Long. 11, maj. diam. 5 millim.

Hab. Hachijojima Izu.

This little shell is distinguished by the peculiar angularity of the upper whorls. The large irregular brown blotches are principally located in the space between the angle and the suture. The surface of the shell between the ribs and nodules is rather smooth, exhibiting scarcely any sculpture. In the type specimen the nodules are only here and there spotted with brown, but some are more regularly spotted.

Scalaria eusculpta, sp. n.

Testa turrita, tenuis, alba, imperforata; spira elongato-acuminata; anfractus 11, convexi, primi 2 læves, cæteri spiraliter eximie lirati, costis circ. 16 reflexis, superne aculeatim productis instructi; anfractus ultimus brevis, rotundatus; apertura ovato-subcircularis; labrum extus reflexum.

Long. 18, maj. diam. 7 millim.

Hab. Hirado Higen.

A delicate elongately turreted species, with numerous thin reflexed ribs, which are aculeated near the suture. This is one of the few spirally lirate species of the group. The liræ are quite distinct, though not very prominent.

Having considered the arguments for the substitution of the name *Scala* for that of *Scalaria*, and especially the very interesting history given by Prof. W. H. Dall (Bull. Mus. Comp. Zool. xviii. no. 29, pt. 2, pp. 299-307), I am of opinion that of the two, the well-known name *Scalaria* has the best claim to recognition. I must certainly plead guilty to a charge of inconsistency, having myself somewhat inadvertently, and without due consideration, adopted the name *Scala*. There is no manner of doubt that, according to the strict laws of priority, the name *Cyclostoma* should be used for this genus; but it is generally agreed that the adoption of that name, which has so long been used for a group of operculate land-snails, would be too inconvenient and lead to much confusion. If, then, we allow that in such a case as this an exception to the rule may be admitted, I cannot see the propriety or utility of adopting the name given by

an unbinominal author (Klein) in preference to that which has been universally known and used for 100 years, *Scalaria*, Lamarck.

Aclis bitæniata, sp. n.

Testa elongata, angusta, albida, pallide fulvo late balteata, lineis rufo-fuscis bitæniata; spira turrita perelongata vix convexa; nucleus pellucidus, retrorsus; anfractus normales 9, planato-convexi, primi 1-2 læves, cæteri spiraliter anguste confertim sulcati, sutura obliqua distincte impressa sejuncti; anfractus ultimus $\frac{1}{3}$ longitudinis testæ æquans, oblongus, ad basim rotundatus; apertura subovata, parva, antice rotundata, postice angustior, intus lævis, rufo-fusco bitæniata; labrum tenue; columella simplex, leviter sinistrorsum contorta.

Long. $9\frac{1}{2}$, diam. 2 millim.

Hab. Hirado Higen.

A very pretty little shell, coloured with two clearly defined linear bands on each whorl. The whorls, particularly the upper ones, are very obliquely coiled; with the exception of the apical ones they are finely, spirally grooved. The nucleus is small, pellucid, and, as in the genus *Turbonilla*, sinistral.

Triforis abnormalis, sp. n.

Testa dextrorsa, elongato-pyramidata, fusca; spira vix convexa, apice obtuso; anfractus 12, primi 2 obtuse rotundati, corrugati, cæteri supra planati, vix concavi, infra biangulati, undique longitudinaliter irregulariter rugose plicati, liris numerosis inæqualibus dense granosis spiraliter cingulati; anfractus ultimus $\frac{1}{3}$ longitudinis testæ paulo superans, infra medium valde concavo-contractus; rostrum breve, tubiforme, leviter recurvum; apertura patula, intus fusca, margine columellari tenuiter elevato, leviter reflexo, dextro crenulato, ad canalem transcolumellam incurvo.

Long. 14, maj. diam. 5 millim.

Hab. Schizum Wakasa.

There can be little doubt that this is really a dextral species of *Triforis*. It is not very far removed from *T. per-versus*, Linn., excepting in the inequality of the nodules and the prominence of the ridges below the middle of the whorls. The canal, as in most of the *Trifori* when adult, is separated by the outer lip passing over and almost uniting with the columellar margin.

Nerita proxima, sp. n.

Testa oblique ovata, fulva, nigro-fusco variegata, spira parva, abbreviato conica, convexa; anfractus 4 convexi, oblique sub-

tiliter striati, spiraliter valde lirati, liris numerosis, rotundatis; anfractus ultimus latus, obliquus, supra leviter concavus, deinde convexe rotundatus, liris circiter 25 inæqualibus, rotundatis instructus; apertura patula eximie plicata, luteo tincta; labrum acutum, crenulatum, margine dextro oblique descendens; area columellari albo callosa, nitens, leviter irregulariter rugosa, ad marginem tridentata.

Alt. 15, lat. 18 millim.

Hab. Loo Choo.

The shell somewhat resembles a small form of *N. undata*, Linn., the callosity being much less rugose.

Omphalius comptus, sp. n.

Testa late conica, subdepressa, profunde umbilicata, nigro-fusca rufo tincta, ad peripheriam et infra albo articulata, regione umbilicali alba; spira depresso conica, convexa; anfractus 5, convexo declives, minutissime suboblique striati, spiraliter densissime lirati, liris majoribus 5 rugosis; anfractus ultimus ad peripheriam angulatus, carinatus, ad basim leviter convexus, multiliratus; umbilicus profundus, mediocriter latus, infundibuliformis, intus albus, valde tricostatus; apertura subcircularis, intus margaritaceus, labrum crassiusculum, crenulatum.

Alt. 6, diam. 7 millim.

Hab. Loo Choo.

This shell differs considerably from all the known species of *Omphalius*, although it certainly seems to belong to that genus. It has some characters in common with *Clanculus plebejus*, Phil. The specimens vary in the depth of colour, and in the number and disposition of the white spots, which in the type are confined to the peripheral keel, but all are white in and round the umbilicus. The prominent ribs, so conspicuous in the umbilicus of the type specimen, are in some absent or covered with a callus.

Minolia ornata.

Testa conico-turbinata, late et profunde umbilicata, alba, fusco maculata; spira elatiuscula, gradata; anfractus $5\frac{1}{2}$, primi 3 convexi, spiraliter lirati, cæteri superne angulati, longitudinaliter filo-striati, ad angulum carinati, supra angulum complanati, infra leviter convexi, maculis inæqualibus flammiformibus ornati; anfractus ultimus biangulatus, infra peripheriam maculis regularibus triangularibus ornatus, ad basim convexus; umbilicus subcircularis, eximie plicatus, spiraliter liratus; apertura subcircularis, peristoma simplex. Operculum tenue, corneum.

Alt. 4, lat. $3\frac{1}{2}$ millim.

Hab. Hirado Higen.

This pretty little shell bears some resemblance to *Minolia strigata*, mihi, from which, however, it differs very considerably in detail. The angles are less numerous and less prominent, the longitudinal striæ are much more distinct, the umbilicus is wider and decussately crenulated within and on the border.

Ethalia floccata, sp. n.

Testa depresso conica, solidiuscula, polita, late et profunde umbilicata, albida, lineis fuscis numerosis obliquis et angulatis maculisque fuscis et albis picta; spira paulo elevata, convexiuscula; anfractus 5, leviter convexi, læves, sutura impressa sejuncti; anfractus ultimus ad peripheriam obtuse angulatus, ad basim convexus; umbilicus latus, plicatus, intus obtuse angulatus; apertura oblique subquadrata, intus argentea, peristoma simplex, callo columellari angustiusculo superne effuso.

Alt. 4, lat. 8 millim.

Hab. Yakujima Osumi.

This pretty shell has somewhat the form of *E. carneolata*, Melv., but more angular, and with a wider open umbilicus. It is smooth, with only the faintest trace of obsolete spiral liræ; the colour-markings are characteristic, consisting of oblique and acutely angulated brown lines running from the suture and brown spots in the middle of the whorls and at the periphery, while the base is rather curiously flaked with opaque white. The narrowness of the columella callus, scarcely overlapping the widely open umbilicus, seems to place this species on the confines of the genus.

Tellina consanguinea, sp. n.

Testa elongata, compressa, tenuiuscula, nitida, rosea, postice acuminata, leviter flexuosa, antice rotundata; umbones acuti; margo dorsalis anticus longus, vix declivis, posticis brevior, triangulatus, area angusta, acute lirata; valva dextra concentrica et radiatim tenuissime striato-sulcatim decussata, striis radiantibus posticis conspicuis, anticis obsoletis; valva sinistra undique lævior.

Alt. (umbono-marg.) 22, lat. (antero-post.) 52, diam. 8 millim.

Hab. Hirado Higen.

This shell bears some resemblance to *T. vulsellæ*, Chemnitz, from which it differs chiefly in its less attenuated form, shorter beak, and somewhat more solid substance.

Cardita abbreviata, sp. n.

Testa subcordata, crassiuscula, leviter inflata, pallide straminea, radiatim costata, costis 16 rugosis, crassis, confertis; umbones

incurvati, paulo ante medium locati, approximati; margo dorsalis anticus valde declivis, leviter concavus, posticus convexus, area ligamenti angusta. Pagina interna alba, ad marginem crenulata, duplicata; cardo normalis.

Alt. (umbono-marg.) 8, lat. (antero-post.) 9, diam. 6 millim.

Hab. Hirado Higen.

Somewhat resembling a small specimen of the Tasmanian *C. Gunni*, Desh., but the ribs are broader, less numerous, and with narrower interstices.

Felania minor, sp. n.

Testa cordato-ovata, compressiuscula, paulo altiore quam lata, pallida, nitens, leviter concentrice striata; umbones prominentes, acuti, leviter incurvati; margo dorsalis utrinque valde declivis, lunula nulla, ligamentum parvum. Pagina interna albo irregulariter fasciata, ad marginem lævis; impressiones musculares elongati, linea pallii haud sinuata; cardo dentibus centralibus duobus, unus bifidus in utraque valva, munitus.

Alt. $4\frac{1}{2}$, lat. 4 millim.

Hab. Hirado Higen.

A shell somewhat resembling *F. sericata*, Reeve, on a small scale.

Pectunculus mundus, sp. n.

Testa oblique suborbicularis, depressiuscula, albida, maculis fuscis paucis sæpe angularibus picta, concentrice sulcata, radiatim costata, costis planulatis latiusculis confertissimis, superne subgranulosis, interstitiis angustissimis; umbones prominentes, approximati; area ligamenti brevis, angustissima. Pagina interna obscure radiatim lirata ad marginem crenulata; cardo normalis.

Alt. 11, lat. $11\frac{1}{2}$ millim.

Hab. Hirado Higen.

This pretty little species is allied to *P. pectinatus*, Lamk., and *P. pallium* and *morum*, Reeve. The radiating ribs are peculiarly flat, and the spaces between them very narrow.

XLIX.—Three new Species of Nyctinomus.

By OLDFIELD THOMAS.

Nyctinomus fulminans, sp. n.

General characters of *N. africanus*, Dobs., but with whitish belly and conspicuously smaller skull.

Size large, though rather smaller than in *africanus*. Ears
Ann. & Mag. N. Hist. Ser. 7. Vol. xii. 33